(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
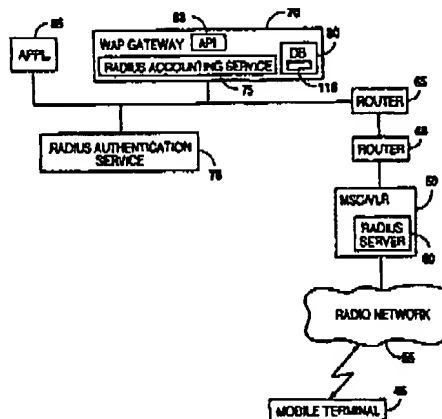International Bureau

(43) International Publication Date
13 September 2001 (13.09.2001)

PCT

(10) International Publication Number
WO 01/67716 A1

(51) International Patent Classification[7]: H04L 29/12, 29/06

(21) International Application Number: PCT/SE01/00409

(22) International Filing Date: 23 February 2001 (23.02.2001)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/188,437   10 March 2000 (10.03.2000)   US
09/596,802   19 June 2000 (19.06.2000)   US

(71) Applicant: TELEFONAKTIEBOLAGET LM ERICSSON (publ) [SE/SE]; S-126 25 Stockholm (SE).

(72) Inventors: BERG, Ingvar; Gårdsätter Östergård, S-590 52 Nykil (SE). SKOG, Robert; Gullvivegränd 7, S-165 76 Hässelby (SE).

(74) Agent: MAGNUSSON, Monica; Ericsson Radio Systems AB, Patent Unit Radio Access, S-164 80 Stockholm (SE).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published:
— with international search report
— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHOD AND APPARATUS FOR MAPPING AN IP ADDRESS TO AN MSISDN NUMBER WITHIN A WIRELESS APPLICATION PROCESSING NETWORK

(57) Abstract: A system and method for associating an MSISDN of a mobile terminal (45) with a temporarily assigned IP address is disclosed. A first server (60) located within a wireless communications network generates and transmits a start packet to a WAP network (10) responsive to an access request by a mobile terminal (45). The start packet includes the MSISDN of the mobile terminal (45) and an assigned IP address. A second server (70) within the WAP network (10) extracts the MSISDN in the IP address from the received start packet and stores this information together within a database (80). When a WAP application (85) is utilized, the MSISDN may be determined from the database (80) and placed in an HTTP-header of packets to the WAP application (85). The database (80) may be periodically updated based upon changes between the association of the MSISDN and the assigned IP address. This process may be used for a number of things within a network including authentication, billing and personalization.

WO 01/67716 A1